

ABSTRACT OF THE DISCLOSURE

According to the present invention, there is provided a process for producing adamantanes by isomerizing a tricyclic saturated hydrocarbon compound having 10 or more carbon atoms, comprising (A) a reaction step for isomerizing a raw material, (B) a concentration step for concentrating the adamantanes in a reaction product liquid, (C) a crystallization step for crystallizing the concentrated adamantanes, (D) a solid-liquid separation step for separating the crystallized adamantanes from slurry having precipitated crystals, (E) a washing step for washing the crystal of adamantanes obtained by the solid-liquid separation step, and (F) a drying step for drying the washed crystals of adamantanes. According to the present invention, there is provided a process for producing adamantanes by using a solid catalyst, wherein the obtained adamantanes are purified by a crystallization operation. There is provided a process for producing adamantanes by isomerizing a tricyclic saturated hydrocarbon compound, wherein the obtained adamantanes are washed by a washing solvent after separating the adamantanes by a crystallization step and a solid-liquid separation step. There is provided a process for producing adamantanes by isomerizing a tricyclic saturated hydrocarbon compound, wherein the crystal of the adamantanes which contains a liquid fraction in the range from 5 to 50% by mass is dried.